CLAIMS

- 1 1. A method comprising
- 2 processing information about network faults that contribute
- 3 to a failure of a network element in which the faults are occurring,
- 4 and
- 5 sending traps to a network management station with respect
- 6 to fewer than all of the faults that are occurring, based on the
- 7 results of the information processing.
- 1 2. The method of claim 1 in which the information is
- 2 processed using a directed acyclic graph.
- 1 3. The method of claim 2 in which nodes of the graph
- 2 represent entities of the network element.
- 1 4. The method of claim 1 in which the result of the processing
- 2 comprises information about the causal relationships among at
- 3 least some of the faults.
- 1 5. The method of claim 1 in which traps are sent with respect
- 2 to faults that have a causal relationship to other faults and traps are
- 3 not sent with respect to at least some of the other faults.
- 1 6. The method of claim 1 also including

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2	requesting fault information from an entity that is part of
3	the network element and which has not triggered a fault notice to
4	determine if there is a fault associated with the network element.
1	7. A method comprising
2	at a network management station, receiving traps sent from
3	network elements, the traps including information about at least
4	some faults occurring in entities of the network elements, the traps
5	not including information about at least some faults occurring in
6	the entities.
1	8. The method of claim 7 also including
2	reporting the traps to an operator of the network
3	management station.
1	9. The method of claim 7 in which the traps the information
2	included in the traps represents faults that have a causal
3	relationship to other faults.
1	10. Apparatus comprising
2	a network element having
3	network entities that are subject to faults, the faults
4	of at least some of the network entities having causal
5	relationships to the faults of at least some of the network
6	entities, and

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7	a medium bearing information capable of
8	configuring a machine in the network element to send traps
9	based on the causal relationships to a network managemen
10	station.
1	11. A medium bearing information capable of configuring a
2	machine to determine causal relationships among faults occurring
3	in entities of a network element.

- 1 12. The medium of claim 11 in which the information
- 2 comprises a directed acyclic graph of nodes.

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